TI-34662 12/05/2003

APPARATUS AND METHOD FOR DETECTING ADDRESS CHARACTERISTICS FOR USE WITH A TRIGGER GENERATION UNIT IN A TARGET PROCESSOR

Abstract of the Invention

A comparator unit includes first and second comparator 1 2 components. The first and second comparator components 3 signals and generate signals when certain characteristics are met. The comparator unit finds application a target processor for generating event signals 5 can be used in test and diagnostic environments to identify 7 address signal groups having selected characteristics. 8 Each comparator can determine a relationship of an address 9 group to a selected address. When the 10 comparators are coupled together, the comparator unit can 11 determine the relationship of an address signal group to a 12 region defined by two addresses. In addition, comparator unit can identify a relationship between two 13 14 address signal groups, each address signal group being applied to a different one of the first 15 and second 16 comparators.